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(54) Title: ADP ASSAY

(57) Abstract: An assay for ADP is described in which the ADP is detected by means of an ADP-binding protein. A direct assay format may be used in which labelled ADP is generated from a labelled precursor. The signal generated by the labelled ADP is detected when the ADP is bound to the ADP-binding protein. Alternatively, in a preferred embodiment, an indirect assay format may be used in which a competitor of ADP is present. The competitor of ADP or the ADP-binding protein is labelled. A signal is generated when the competitor binds to the ADP-binding protein, and the signal is reduced in the presence of ADP. If ATP is present in the sample, the assay may also include a step of modifying the ATP such that it cannot bind to the ADP-binding protein.

WO 2004/027421 A2